

Message Text

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17

ACTION IO-11

INFO OCT-01 EUR-12 ISO-00 ACDA-05 CIAE-00 INR-07 L-03

NSAE-00 NSC-05 EB-07 NRC-05 OES-03 DODE-00 FEA-01

/060 W

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R 271802Z FEB 76

FM USMISSION IAEA VIENNA

TO SECSTATE WASHDC 7162

USERDA GERMANTOWN

AMEMBASSY OTTAWA

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PASS IO/SCT AND NRC

EO 11652: N/A

TAGS: IAEA, TECH, PARM

SUBJ: DEVELOPMENT OF IAEA SAFEGUARDS ON CANDU TYPE REACTORS

1. MISSION WAS HANDED ON INFORMAL BASIS FOLLOWING LETTER
FROM INSPECTOR GENERAL ROMETSCH TO CANADIAN IAEA RESREP
VIENN:

QUOTE: SIR,
REFERENCE IS MADE TO THE AECB-ACDA-IAEA COOPERATIVE
PROGRAMME OF TESTING SAFEGUARDS INSTRUMENTATION AT
PICKERING.

IN SUMMARY, THE TEST INVOLVES INSTRUMENTATION OF:

I) ONE REACTOR, THE NO. 4 UNIT WITH FIVE TRACK-
ETCH MONITORS, ONE ON EACH FUELLING MACHINE AND ASSOCIATED
TRANSFER PORT, AND ONE IN THE BIOLOGICAL SHIELD AS A
POWER MONITOR, AND ONE CONVEYOR BUNDLE COUNTER,

II) CONTINUING TEST OF TRACK-ETCH POWER MONITOR
INSTALLED IN ANOTHER REACTOR TO OBTAIN LIFE LONG DATA.

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TESTING OF THE TRACK-ETCH INSTRUMENTS AS POWER MONITORS HAS BEEN SUCCESSFULLY COMPLETED AND APPLICATION ESTABLISHED AS A PROVEN TECHNIQUE.

UNFORTUNATELY, THE EXTENDED SHUT-DOWN OF THE NO. 4 UNIT HAS DELAYED AND PRECLUDED BRINGING THE REMAINING PART OF THE TESTING PROGRAMME TO A POINT NECESSARY TO OBTAIN ADEQUATE DATA ON THE RELIABILITY, UTILITY AND OPERATIONAL REQUIREMENTS OF THE UNATTENDED INSTRUMENTATION TO EVALUATE APPLICATION OF SUCH INSTRUMENTATION TO ON-LOAD FUELLED REACTOR OF THE PICKERING TYPE.

ALTHOUGH THE AGENCY HAS THE POSSIBILITY TO PERFORM SOME RELATED TESTS AT THE DOUGLAS POINT STATION, THE DIS-SIMILARITY OF THE TWO STATIONS PRECLUDES COMPLETING THE AGREED PROGRAMME FOR PICKERING AT DOUGLAS POINT.

THE AGENCY HAS OVER A PERIOD OF YEARS CLEARLY STATED THE HIGH PRIORITY ATTACHED TO THIS INSTRUMENTATION DEVELOPMENT AND TESTING PROGRAMME AT PICKERING. OUR VIEW TODAY IS UNCHANGED.

AS A MATTER OF URGENCY, PLEASE REQUEST THE AECB TO CONTINUE THE TESTING PROGRAMME AT PICKERING UNTIL SUFFICIENT DATA HAS BEEN ACCUMULATED TO COMPLETE ITS EVALUATION.

IT WOULD APPEAR THIS COULD BEST BE ACHIEVED BY INSTALLATION OF TRACK-ETCH MONITORS ON FUELLING MACHINES AND TRANSFER PORTS OF THE NO. 3 UNIT WHILST CONTINUING TESTING OF THE CONVEYOR BUNDLE MONITOR IN ITS PRESENT POSITION.

ACCEPT, SIR, THE ASSURANCES OF MY HIGHEST CONSIDERATION. RUDOLF ROMETSCH, INSPECTOR GENERAL.
UNQUOTE

2. ACDA AND ERDA OFFICIALS MAY WISH TO CONSIDER, IF NOT ALREADY DOING SO, SUPPORTING THIS REQUEST IN VIEW OF NEED FOR DEVELOPING EFFICIENT SAFEGUARDING LIMITED OFFICIAL USE

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TECHNIQUES FOR THIS TYPE REACTOR.TAPE

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: RESEARCH, NUCLEAR REACTORS, INTERGOVERNMENTAL COOPERATION
Control Number: n/a
Copy: SINGLE
Draft Date: 27 FEB 1976
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: morefirh
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
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Document Unique ID: 00
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Enclosure: n/a
Executive Order: N/A
Errors: N/A
Film Number: D760076-0085
From: IAEA VIENNA
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Image Path:
ISecure: 1
Legacy Key: link1976/newtext/t1976026/aaaaaelg.tel
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Original Previous Handling Restrictions: n/a
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